



Water-Data Report UT-2005

09403600 KANAB CREEK NEAR KANAB, UT

Kanab Creek Basin

LOCATION.--Lat 37°06'02", long 112°32'50" referenced to North American Datum of 1927, in NE ¼ NE ¼ SW ¼ sec.5, T.43 S., R.6 W., Kane County, Hydrologic Unit 15010003, on left bank at upstream side of bridge on U.S. Highway 89, 300 ft upstream from Tiny Canyon and 3.5 mi north of Kanab.

DRAINAGE AREA.--194 mi².

WATER-DISCHARGE RECORDS

REVISED RECORDS.--WDR UT-98-1: 1997, daily values.

PERIOD OF RECORD.--July 1959 to September 1968 (peaks only). January 1979 to current year

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 5,060 ft above NGVD of 1929, from topographic map. A crest-stage gage from July 22, 1959 to September 30, 1968 at different datum. July 6, 1979 to September 18, 1984 water-stage recorder at same site, different datum.

REMARKS.--Records poor. Several diversions above station for irrigation and stock watering.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,030 ft³/s, Sep 8, 1961, gage height, 8.39 ft, from rating curve extended above 31 ft³/s on basis of slope area measurement at gage height, 7.09 ft; minimum daily discharge, 2.9 ft³/s, Jul 27, 2000.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 200 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 21	unk	unknown	(a)*11.37
Jan 11	unk	*880	11.15

(a) from floodmark on crest-stage gage.

Minimum daily discharge, 3.3 ft³/s, Jul 26.

Water-Data Report UT-2005

09403600 KANAB CREEK NEAR KANAB, UT—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	5.6	e10	e8.0	8.9	6.3	21	17	45	11	6.2	4.5	5.4
2	5.6	e11	e7.5	7.3	6.1	26	34	42	8.8	5.9	4.6	5.4
3	5.4	e12	e7.5	7.6	6.1	37	48	41	10	5.8	5.5	5.2
4	5.3	e11	e7.5	8.5	6.4	49	45	39	11	5.5	6.6	4.9
5	4.9	e9.0	e7.5	7.5	6.2	34	24	37	11	5.3	5.6	4.9
6	5.3	e8.0	e8.0	6.9	6.3	38	24	39	9.4	5.4	6.7	5.3
7	5.4	e10	e8.0	8.0	6.8	65	37	60	9.8	5.3	33	5.7
8	5.4	e40	6.8	7.0	6.5	58	55	43	9.4	5.5	12	5.5
9	5.5	e20	5.6	9.2	5.9	59	34	36	9.5	5.1	7.6	5.7
10	e5.6	e16	6.0	222	5.7	67	29	35	9.6	5.2	10	5.4
11	e5.6	e13	6.1	e320	7.2	56	26	37	9.3	5.2	13	5.1
12	e5.4	e12	6.2	e130	24	52	30	35	9.3	5.0	11	5.3
13	e5.2	e12	6.1	e70	31	55	36	29	8.4	4.7	9.8	5.6
14	e5.4	e11	6.2	e46	23	26	39	26	8.4	4.4	21	5.5
15	e5.4	e10	6.6	43	41	18	38	23	8.2	4.4	8.9	5.4
16	e5.2	e9.5	6.8	33	32	17	39	20	7.8	4.2	9.9	5.7
17	e5.6	e9.0	7.0	31	43	20	42	20	7.3	4.2	7.7	4.9
18	e6.2	e9.0	7.3	24	32	20	44	19	6.8	4.0	6.9	5.1
19	e7.0	e8.5	7.3	19	64	24	47	17	7.1	3.9	7.6	5.7
20	e40	e8.5	7.2	21	45	29	42	14	6.5	3.6	5.5	5.6
21	e90	e11	6.6	24	33	26	43	14	6.5	3.5	4.6	5.4
22	e20	e12	6.9	20	23	34	45	12	7.4	3.5	4.8	5.2
23	e15	e10	7.3	17	33	59	47	11	7.5	3.5	5.2	6.2
24	e13	e10	9.3	19	23	66	101	11	8.2	3.8	5.4	6.1
25	e11	e10	7.5	13	17	62	98	11	8.0	3.7	5.0	6.1
26	e9.0	e9.4	7.1	15	17	26	88	11	7.9	3.3	5.3	6.0
27	e12	e9.4	6.6	71	17	49	57	11	8.3	3.5	4.4	5.6
28	e18	e10	6.5	14	19	77	60	11	7.2	3.8	4.3	5.7
29	e15	e8.2	28	10	---	64	59	11	7.4	3.8	4.7	5.8
30	e13	e8.2	16	7.2	---	45	49	10	6.7	4.5	5.1	5.8
31	e11	---	8.4	6.4	---	24	---	17	---	4.6	5.2	---
Total	372.0	347.7	249.4	1,246.5	586.5	1,303	1,377	787	253.7	140.3	251.4	165.2
Mean	12.0	11.6	8.05	40.2	20.9	42.0	45.9	25.4	8.46	4.53	8.11	5.51
Max	90	40	28	320	64	77	101	60	11	6.2	33	6.2
Min	4.9	8.0	5.6	6.4	5.7	17	17	10	6.5	3.3	4.3	4.9
Ac-ft	738	690	495	2,470	1,160	2,580	2,730	1,560	503	278	499	328

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	10.1	9.76	10.4	13.1	15.6	24.4	22.2	10.0	6.89	6.89	8.13	9.46
Max	25.7	15.2	21.7	40.2	45.1	72.4	132	27.6	12.1	13.8	16.5	28.1
(WY)	(1982)	(1988)	(1980)	(2005)	(1980)	(1983)	(1980)	(1980)	(1981)	(1981)	(1981)	(1998)
Min	3.57	5.33	5.31	5.15	5.64	8.83	6.81	5.62	4.36	3.90	4.07	4.77
(WY)	(2004)	(2002)	(1990)	(2002)	(2002)	(2002)	(1990)	(2001)	(1986)	(2000)	(1995)	(2002)

09403600 KANAB CREEK NEAR KANAB, UT—Continued**SUMMARY STATISTICS**

	Calendar Year 2004	Water Year 2005	Water Years 1980 - 2005		
Annual total	2,961.9	7,079.7			
Annual mean	8.09	19.4	12.2		
Highest annual mean			28.4		
Lowest annual mean			5.96		
Highest daily mean	90	Oct 21	Jan 11	354	Apr 6, 1980
Lowest daily mean	3.8	Jun 8	Jul 26	2.9	Jul 27, 2000
Annual seven-day minimum	3.9	Jun 5	Jul 21	3.0	Jun 13, 1986
Annual runoff (ac-ft)	5,870	14,040	8,850		
10 percent exceeds	11	45	19		
50 percent exceeds	6.5	9.3	8.6		
90 percent exceeds	4.9	5.2	5.1		

